

Appendix B

Primary Sequence Alignment of fabI protein from various pathogens.

EC1259_FabI	1	-----MGFLSGKRILVTGVASKLSIAYGIAQA	27
HI1703_FabI	1	MRLVFLEILVGFVQRQIFAYTTQVFYANNIGKIMGFLTGKRILVTGLASNRSIAYGTAKS	60
PA1805_FabI	1	-----MGFLTGKRALIVGVASKLSIASGIAAA	27
HP0195_FabI	1	-----MGFLKGKKGLIVGVANNKSIAYGIAQS	27
EF0282_FabI	1	-----MFLQNKNVVMGVANKKSIAWGCACA	26
SA2112_FabI	1	-----MLNLENKTYVIMGLANKRSIAFGVAKV	27
EC1259_FabI	28	MHREGAELAFETYQNDKLRGRVEEFAAQLGS--DIVLQCDVAFELASIDTMFAELGKVPWPKF	85
HI1703_FabI	61	MKEQGAEELAFETYQNDKLRGRVEEFQAKEFGS--DIVLPLDVATDESQNCFAELSKRWDF	118
PA1805_FabI	28	MHREGAELAFETYQNDKLRGRVEEFASGWGSRPELCFPCDVADDSQLEAVFAALGKHWGDL	87
HP0195_FabI	28	CFNQGAEELAFETYQNDKLRGRVEEFASGWGSRPELCFPCDVADDSQLEAVFAALGKHWGDL	85
EF0282_FabI	27	EKDOGANVMITYQNERMKKQVVKLADEND----LLVECDVASDASTQAAFETIKNEVGTI	82
SA2112_FabI	28	LDQLGAKLVFTYRKERSRKELEKLEQLNQPEAHLYQIDVQSDEEVINGFEQIGKDVGNI	87
EC1259_FabI	86	DGFVHSTIGFAPGDOIDGGDYVNAVTRREGFKTAHDISSYSFVAMAKACRSMNL-PGSALLTL	144
HI1703_FabI	119	DGFTHATAFAPGDQIDGGDYVNAATREGYRTAHDISAYSFVAMAQAARPYLN-PNAALLTL	177
PA1805_FabI	88	DIIVHSVGFAPGDOIDGGDFTAVTTREGFRTAHDISAYSFALAKAGREMMKGRNGSLTL	147
HP0195_FabI	86	DFIVHSVAFAPKEALEGSLLETS-KSAFNTAMEISVYSLEETNTLKPLLN-NGASVLT	143
EF0282_FabI	83	DGLVHATAFAKKEELSGNVSDIT-RDGFLLAQDISSYSLLAVTHYAKPLLN-PGSGIVTL	140
SA2112_FabI	88	DGVYHSTIAFANMEDIRGRFSETS-REGFLLAQDISSYSLTIVAHEAKKLMP-EGGSIVAT	145
EC1259_FabI	145	SYLGAERATPNYNVMGLAKASLEANVRVYMANAMCEPGRVNAISAGPIRTLAASGEKDER	204
HI1703_FabI	178	SYLGAERATPNYNVMCLAKASLEAATRVMAADLGKEGIRVNAISAGPIRTLAASGEKNEK	237
PA1805_FabI	148	SYLGAERTMPNYNVMGLAKASLEAGVRYLAGSLCAEGTRVNAVSAAGPIRTLAASGEKSEF	207
HP0195_FabI	144	SYLGSTKYMAHYNVMGLAKAALESADVRYLAVDLGKHHIRVNAISAGPIRTLAASGEADFR	203
EF0282_FabI	141	TYLGSEERATPNYNMGLAKASLETAVKYLAFELAADKIRVNGISAGAIKTLAVTVKDYD	200
SA2112_FabI	146	TYLGGEFAVQNYNVMGVAKASLEANVKYLAIDLCPDNIRVNAISAGPIRTLSAKGVGGFN	205
EC1259_FabI	205	KMLAHCEAVTPIRRIVTIEEDVGNSAAFLCSDLASGISGEVHVDCGESIAAMNELELK--	262
HI1703_FabI	238	KMLSTFEKTAALRRIVTIEEDVGNSAAFLCSDLASGITGEIVHVDAGESITAMGELGEE--	295
PA1805_FabI	208	KMLAANERQTPERRIVTIEEVGNACAFLLCSDLASGISGEILYVDCGENTTAMGPLDDD--	265
HP0195_FabI	204	MILKWNEINAPLRKNVLEEVGNAGMYLLSSLSSGVSGEVHFDAGYHVMGMGAVEEKDN	263
EF0282_FabI	201	QLISISNERTPDKTCVTIEEVGNTCAFLVSDLASGVVGDIIYVDKCVHLT-----	250
SA2112_FabI	206	TILKEIXERAPLKRNVDOVEVGKTAAYLLSDLSSGVGTGENTHVDSCGFHAIK-----	256
EC1259_FabI	262	-----	262
HI1703_FabI	295	-----	295
PA1805_FabI	265	-----	265
HP0195_FabI	264	KATLLWDLHKEQ	275
EF0282_FabI	250	-----	250
SA2112_FabI	256	-----	256